

BL0106-15-28

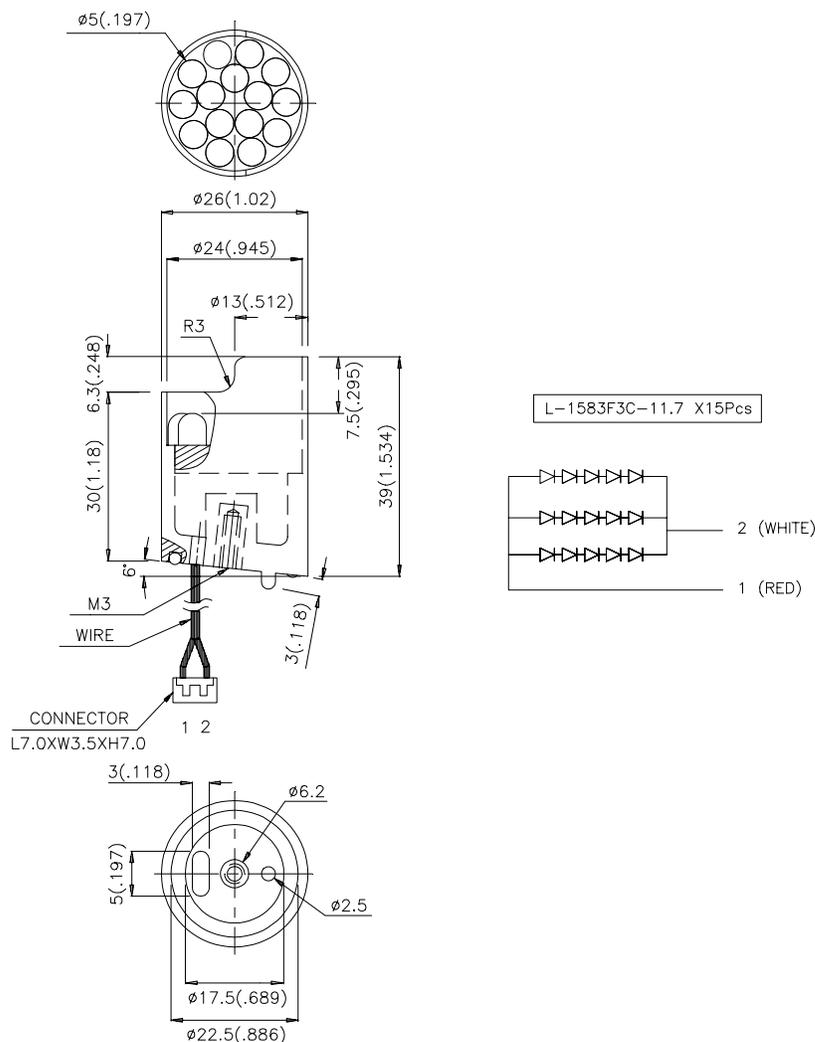
Features

- WATERPROOF PACKAGE WITH HOOD SUITABLE FOR OUTDOOR AND INDOOR INFORMATION BOARDS.
- CAN PRODUCE ANY COLOR IN VISIBLE SPECTRUM, INCLUDING WHITE LIGHT.

Description

F3 Made with Gallium Arsenide Infrared Emitting diodes.

Package Dimensions



Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25(0.01)$ unless otherwise noted.
3. Specifications are subject to change without notice.

Electrical / Optical Characteristics at $T_A=25^\circ\text{C}$

Symbol	Parameter	Device	Min.	Typ.	Max.	Units	Test Conditions
I_v	Luminous Intensity	BL0106-15-28	180	320	-	mW/sr	$I_F=60\text{mA}$
$2\theta_{1/2}$	Viewing Angle		-	40	-	Deg.	-
V_F	Forward Voltage		-	6	8	V	$I_F=60\text{mA}$
λ_{peak}	Peak Wavelength		-	940	-	nm	$I_F=60\text{mA}$
$\Delta\lambda_{1/2}$	Spectral Line Half-width		-	50	-	nm	$I_F=60\text{mA}$
I_R	Reverse Current		-	-	30	μA	$V_R = 5\text{V}$

Absolute Maximum Ratings at $T_A=25^\circ\text{C}$

Parameter	Type	Units
Power dissipation	540	mW
DC Forward Current	90	mA
Reverse Voltage	5	V
Operating Temperature	-40 To +70	$^\circ\text{C}$
Storage Temperature	-40 To +85	$^\circ\text{C}$

